

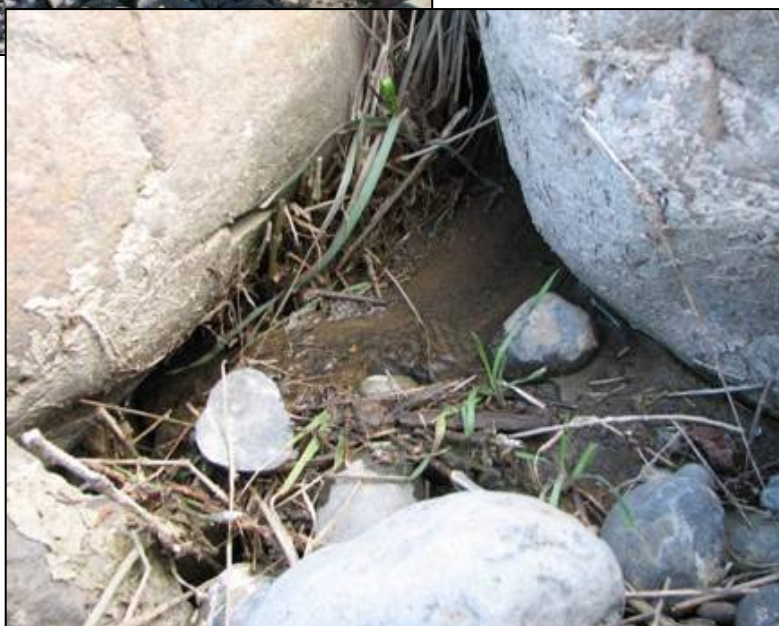
Soil and Water Remediation, Groundwater/Vadose Zone (RL-0030)

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100-NR-2 Apatite Barrier



*Examining bank
down slope from
199-N-145*



*Flow from bank
down slope
from 199-N-136*

Overview

This section addresses Project Baseline Summary (PBS) RL-0030, *Soil and Water Remediation, Groundwater/Vadose Zone*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of February 2007.

Notable Accomplishments

- **River Corridor**
 - Began eight well injection campaign to complete low-river emplacement of 300-foot apatite barrier at 100-NR-2
 - Completed three of seven wells for the Chromium Source Investigation
 - Awarded contract for an injection well to support electrocoagulation testing at 100-D
- **Central Plateau**
 - Began field work on new well decommissioning contract
 - Completed surface radiological surveys and the geophysical logging in the BC controlled area
 - Transmitted TW-1/2 Work Plan Addendum, Draft B, to RL
- **Integration**
 - Issued the Hanford Site Annual Groundwater Report to RL and regulatory agencies
 - Released the "Quarterly Resource Conservation and Recovery Act (RCRA) Groundwater Monitoring Data for the Period July through September 2006" report
 - Completed sampling of all FY 2006 carry-over wells

FY 2007 Funds vs. Spend Forecast (\$M)

	Projected FY 2007 Funding	FY 2007 Fiscal Year Spend Forecast	Variance
Soil & Water Remediation, Groundwater/Vadose Zone	\$ 79.6	\$ 79.3	\$ 0.3

FY 2007 Schedule/Cost Performance (\$M)

	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
Soil & Water Remediation, Groundwater/ Vadose Zone	\$26.2	\$25.2	\$27.1	-\$0.9	-3.5%	-\$1.9	-7.4%	\$67.9

Numbers are rounded to the nearest \$0.1M and include the Closure Services allocation.

Schedule Performance (-\$0.9M/-3.5%):

The schedule variance is being driven by three main contributors:

- Groundwater/Vadose Zone Integration
 - Competing priorities on the finalization of strategy and issuing of subcontracts
 - Initiation of the Technical Peer Review was delayed while discussions were held with RL and the Washington State Department of Ecology (Ecology) regarding the panel/workshop strategy.
 - Environmental Database is behind schedule primarily due to the effort to finalize subcontracting strategy (identifying scope, etc.) with Lockheed Martin Information Technology, Inc. (LMIT)
- 100-NR-2 Operable Unit
 - Injections delayed until late February; change in field implementation plan.
- 200-ZP-1 Operable Unit
 - Drilling delays due to mechanical problems with resultant delays in lab analysis; four months behind schedule on feasibility study due to risk modeling delays; proposed plan four months behind schedule.

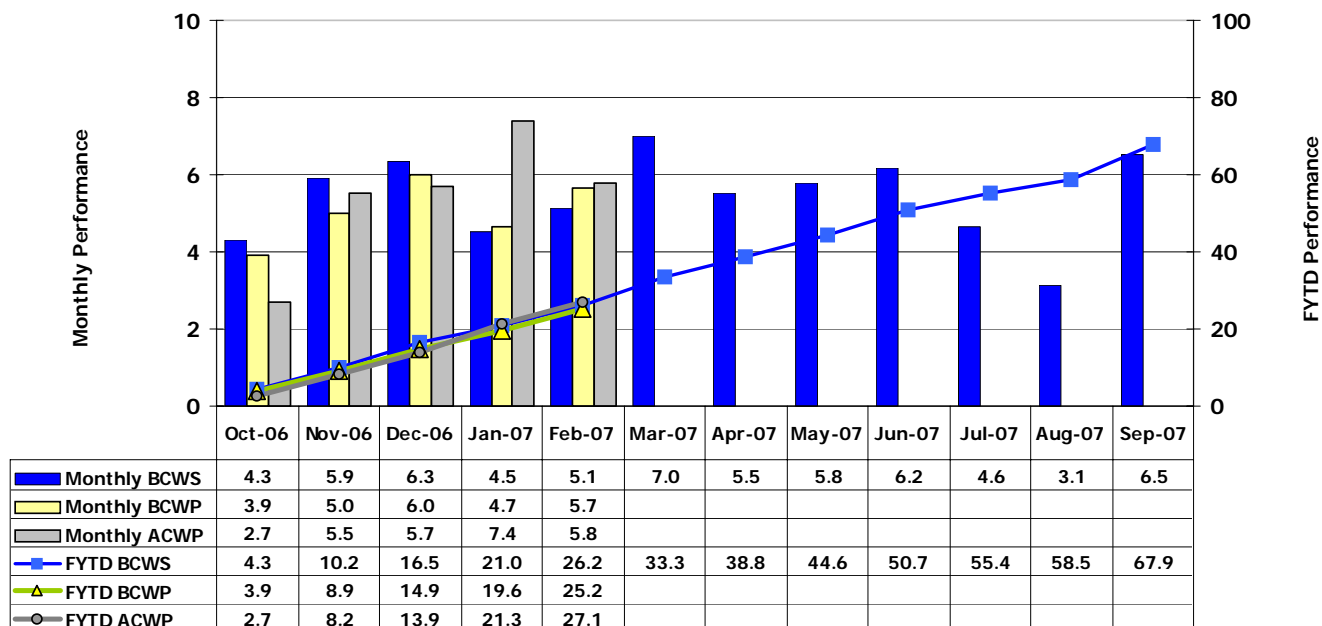
Cost Performance (-\$1.9M/-7.4%):

The cost variance is being driven by three main contributors:

- Well Management
 - Recovery costs for damaged 200-ZP-1 well and stuck well casing; higher than projected subcontractor costs for 100-KR-4 wells; advanced authorization to start 618-2 burial ground boreholes and A-4 monitoring well pending baseline change request (BCR) approval.
- Groundwater monitoring and Performance Assessments
 - Higher initial work load for decommissioning wells (Geo Science Logging); RCRA Monitoring and Reporting unbudgeted labor; higher costs than planned for Waste Sampling and Characterization Facility (WSCF)/Office of Sample Management.
- 100-KR-4
 - Overrun on the K West Reactor Chromium Plume construction; the tie-in to relocate injection wells (BCR being incorporated).

FY 2007 Schedule/Cost Performance (\$M), continued

Performance Analysis FYTD and Monthly (\$M)



Milestone Achievement

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date
RL-30					
M-013-06B	Submit the 200-BP-5 OU RI/FS Work Plan to EPA	TPA	3/31/07		3/31/07
M-016-14A	Complete Construction of a 300 foot Permeable Reactive Barrier Utilizing Apatite Sequestration at 100-N	TPA	5/31/07		5/31/07
M-015-48B	Submit the 200-ZP-1 OU Feasibility Study Report / Proposed Plan to EPA	TPA	9/30/07		9/30/07
M-013-10A	Submit the 200-PO-1 OU Remedial Investigation/Feasibility Study to Ecology	TPA	9/30/07		9/30/07
M-024-57M	Install a Cumulative of 60 Wells	TPA	12/15/07		6/30/07
M-015-50	Submit a Treatability Work Plan for Deep Vadose Zone Technetium and Uranium to Ecology and EPA	TPA	12/31/07		12/31/07